

3. Inspect the condition of the lens gasket and replace if it is damaged or deteriorated.
4. Replace the bulb and install the lens; do not overtighten the screws as the lens may crack.

Neutral Indicator Light Replacement (ATC125M)

1. Carefully pull the neutral indicator light/socket assembly out of the bottom left-hand side of the handlebar upper holder.

2. Replace the defective bulb.
3. Install by reversing these removal steps.

SWITCHES

Engine Kill Switch, Light Switch and Starter Switch

Removal/Installation

(1982-on ATC110 and ATC125M)

1. Remove the headlight lens unit as described in this chapter.

NOTE

Follow the electrical wires from the switch housing into the backside of the headlight case. Gently pull on the wire outside of the headlight case and watch which one moves within the headlight case. Disconnect those wires and continue until all wires going to the switch assembly are disconnected.

2. Within the headlight housing, disconnect from the wiring harness all electrical wire connectors (Figure 83) going to the combination engine kill switch/light switch/starter switch (starter on ATC125M only).
3. Pull the wires out through the rear of the headlight case.
4. Remove the screws securing the combination switch (Figure 84) to the handlebar and remove the switch assembly.
5. Install a new switch assembly by reversing these removal steps. Make sure all electrical wires are tight.

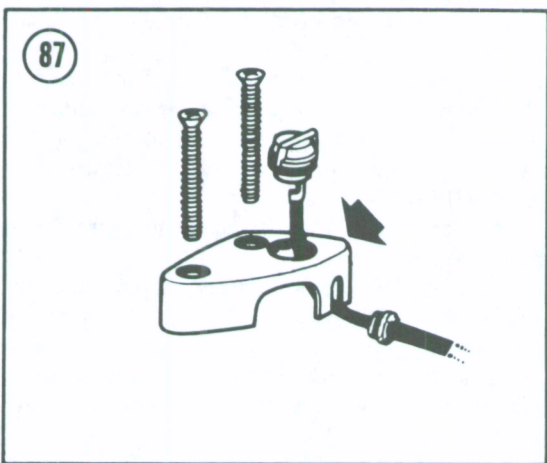
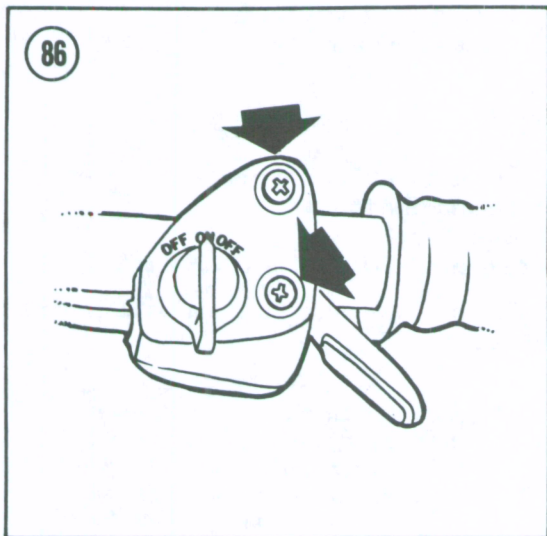
Engine Kill Switch Removal/Installation (All Other Models)

- 1A. On models equipped with a headlight, perform the following:

- a. Remove the headlight lens as described in this chapter.
- b. Within the headlight housing, disconnect from the wiring harness the 2 electrical wire connectors going to the engine kill switch.
- c. Remove the engine kill switch electrical wires from the headlight housing.

- 1B. On models without a headlight, perform the following:

- a. Remove the fuel tank as described in Chapter Six.
- b. Disconnect from the wiring harness the 2 electrical wire connectors (Figure 85) going to the engine kill switch.



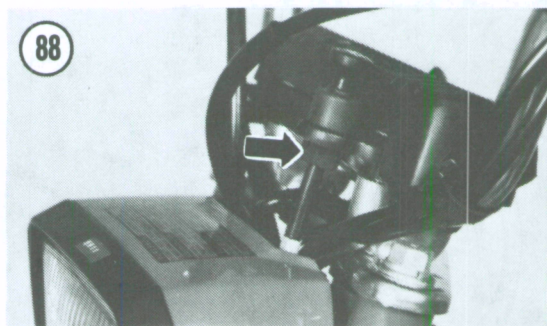
2. Remove the screws (Figure 86) securing the throttle lever assembly together and to the handlebar.
3. Separate the throttle lever assembly and remove the engine kill switch (Figure 87) from the upper case half.
4. Install a new switch assembly by reversing these removal steps. Make sure all electrical connectors are tight.

Ignition Switch Removal/Installation (ATC125M)

1. Remove the headlight lens unit as described in this chapter.

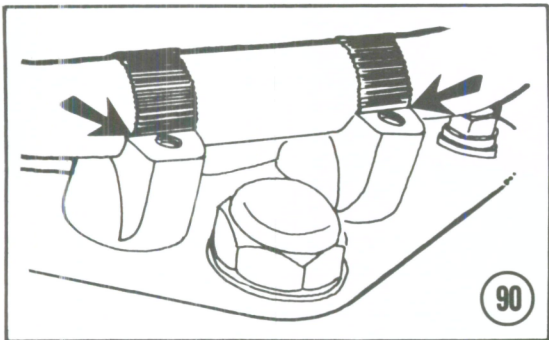
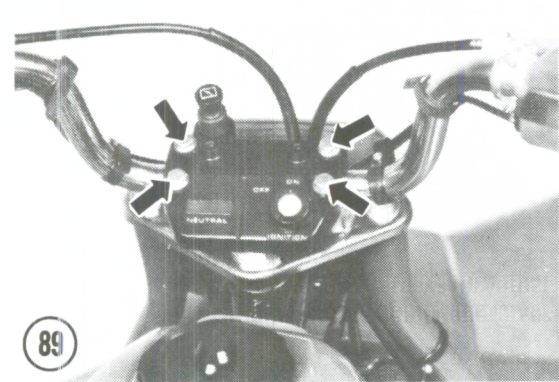
NOTE

Follow the electrical wires from the ignition switch housing into the



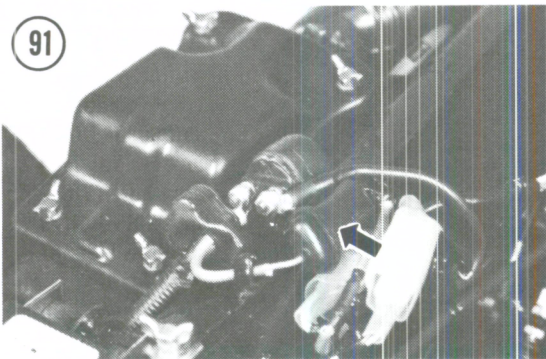
backside of the headlight case. Gently pull on the wire outside of the headlight case and watch which one moves within the headlight case. Disconnect those wires and continue until all wires going to the ignition switch assembly are disconnected.

2. Within the headlight housing, disconnect from the wiring harness all electrical wire connectors (Figure 83) going to the ignition switch.
3. Pull the wires out through the rear of the headlight case.
4. Remove the small nameplate with a screwdriver.
5. Remove the screws securing the handlebar upper cover and remove the cover.
6. Loosen the locknut (Figure 88) on the choke cable and remove the choke cable and knob from the handlebar upper holder.
7. Carefully pull the neutral indicator light/socket assembly out of the bottom left-hand side of the handlebar upper holder.
8. Cover the fuel tank with a soft cloth to protect it from the handlebar.
9. Remove the bolts (Figure 89) securing the handlebar upper holder and remove the upper holder.
10. Let the handlebar assembly swing down until it stops.
11. Remove the rubber boot from the backside of the ignition switch.
12. Push in on the retaining tabs of the holder and push the ignition switch and holder out from the backside of the handlebar upper holder.
13. Install a new switch assembly by reversing these removal steps, noting the following.
14. Swing the handlebar up into position. Align the punch mark on the handlebar with the upper surface of the handlebar lower holders (Figure 90).
15. Install the handlebar upper holder and tighten the bolts finger-tight. Tighten the forward bolts first and then the rear to 18-30 N•m (13-22 ft.-lb.).
16. Make sure all electrical wires are tight.



**Headlight Switch
Removal/Installation
(ATC90 and 1979-1980 ATC110)**

1. Remove the headlight lens as described in this chapter.
2. Within the headlight housing, disconnect from the wiring harness all electrical wire connectors going to the light switch.
3. Remove the switch assembly and electrical wires from the headlight housing.



4. Install a new switch assembly by reversing these removal steps. Make sure all electrical connectors are tight.

FUSE

Only models that are equipped with a starter have a fuse.

Remove the screws securing the starter relay cover and remove the cover (Figure 33). The fuse is located next to the starter solenoid (Figure 91) and its capacity is 7 amps.

NOTE

Always carry a spare fuse.

Whenever a fuse blows, find out the reason for the failure before replacing the fuse. Usually the trouble is a short circuit in the wiring. This may be caused by worn-through insulation or a disconnected wire shorted to ground.

CAUTION

Never substitute aluminum foil or wire for a fuse. Never use a higher amperage fuse than specified. An overload could cause a fire and complete loss of the ATC.

Table 1 VOLTAGE REGULATOR/RECTIFIER TEST POINTS

Positive	Test probe	Negative	Value (ohms)
Yellow		yellow	1-50
Yellow		green	0.1-10
Yellow		red	infinity
Yellow		yellow	1-50
Yellow		green	0.1-10
Yellow		red	infinity
Green		yellow	0.5-50
Green		yellow	0.5-10
Green		red	infinity
Red		yellow	0.1-10
Red		yellow	0.1-10
Red		green	0.2-30

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